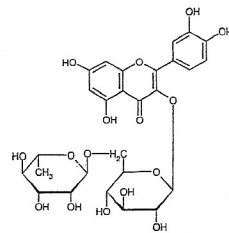




INDOFINE Chemical Company, Inc.

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Phone: (908) 359-6778; Fax: (908) 359-1179



HPLC

Batch: 23

RUTIN

021139S

IDENTIFICATION

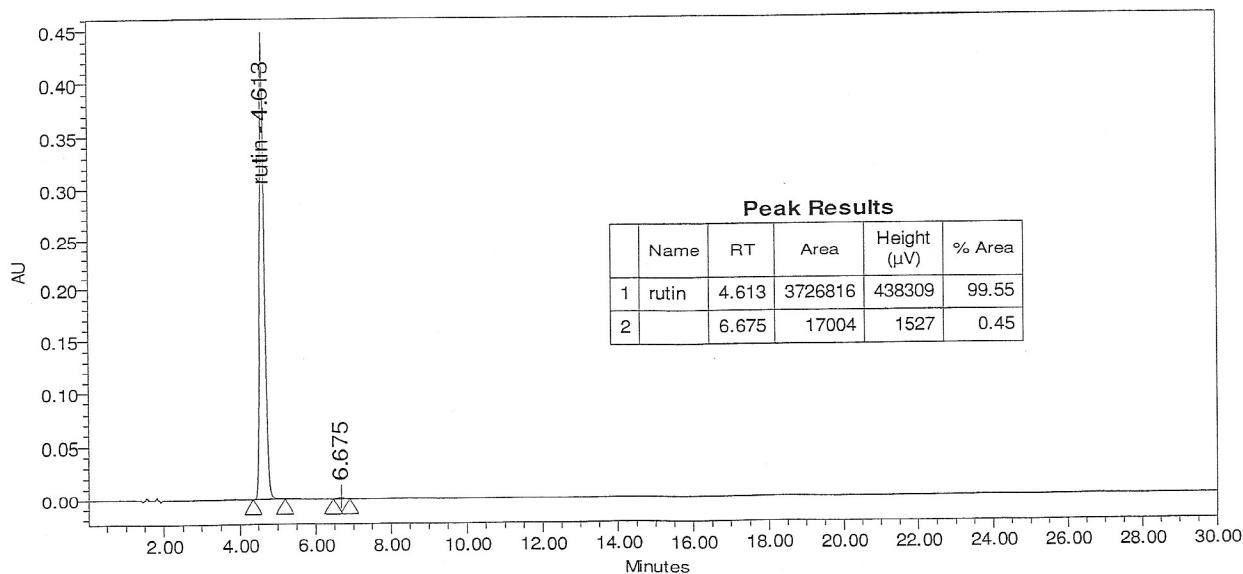
CAS number	[153-18-4]
Chemical family	Flavonoids
Chemical name	Quercetin-3-O-rutinoside
Molecular formula	C ₂₇ H ₃₀ O ₁₆
Molecular weight	610.53

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder
Melting point	193-196°C
Moisture	7.3%
Residual solvents	<0.5%
Thin layer chromatography	support: Silicagel solvent: Ethyl acetate / formic acid / acetic acid / water, (100/11/11/23, V/V/V/V) detection: U.V.
Absorption maxima	258, 268sh, 298sh, 359 nm in methanol
Storage	Store at room temperature in a dry and dark place. Place in a desiccator under vacuum before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent	Water + 0.3% H ₃ PO ₄ / Methanol / Acetonitrile (60/25/15, V/V/V)
Flow rate	1 ml/min
Detector	UV visible 254 nm
Sample solvent	Methanol



Assay by an HPLC method

Date of last QC-recheck: June 2012

Date of retest: June 2016

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.